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TITLE : DOUBLE COATED POWDER FATS AND OILS

ABSTRACT : PURPOSE: To improve oxidation resistance, etc., of powder fats and oils, by bringing lipid powder material having a melting point of $\geq a$ given temperature into contact and colliding against the outer surface of coated powder fats and oils primarily coated with a water-soluble substance to coat the fats and oils secondarily.

CONSTITUTION: An oily material such as soybean oil, vitamin A, etc., is used as nuclei and the outer surface of the oily material is primarily coated with a water-soluble substance (e.g. gelatin or gum arabic) to prepare coated powder fats and oils. As one example of the preparation, a method wherein the oily material is emulsified in a water phase of the water-soluble substance to produce an O/W emulsion and spray-drying may be cited. Then a lipid powder material (e.g. fatty acid monoglyceride or powder wax) having $\geq 40^{\circ}\text{C}$ boiling point is brought into contact and collided against the prepared coated powder fats and oils and the whole peripheral surface of the coated powder fats and oils is coated with the lipid powder to give the aimed double coated powder fats and oils. Consequently, oxygen, light, water, etc., can be satisfactorily shut-off.

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